



Flygt 2190.320

HARD-WEARING SUBMERSIBLE DRAINAGE PUMP

60Hz



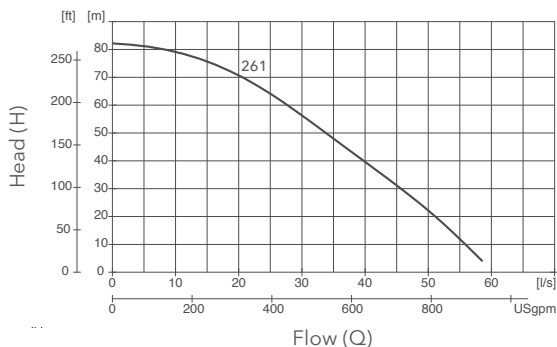
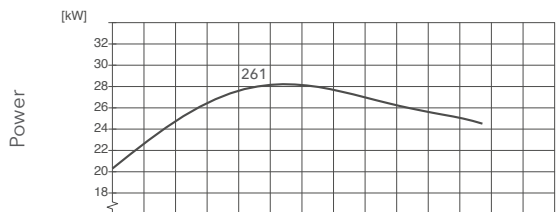
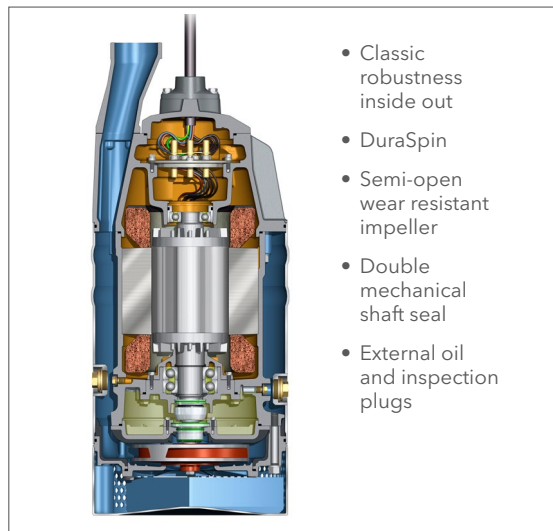
Part of the Flygt 2000 series, the new Flygt 2190 Cast Iron is built on proven pump technology dating back to the 1960s. Every bit as rugged and wear-resistant as the original Flygt 2201, this pump shares the same classic profile and inner workings as its robust and reliable sibling.

When it comes to performance, the 2190 goes all out. It's built for the harshest environments. With a steady cast iron body, this pump is truly hard-wearing and versatile, designed to efficiently handle tough, abrasives-laden liquids. In addition, cast iron make for highly reliable pumps, as it endures liquids containing chlorides.

This pump has features such as the conical trim sleeve, a fast and easy impeller-adjustment feature that restores clearances to near-original condition boosting pump performance and a sturdier cable entry ensuring safe and continuous operation.

Choose between our different impeller options:

- The unique closed impeller and the suction cover with Dura-Spin™ grooves work together sweeping abrasive particles away from the impeller neck.
- The Semi-open impeller with its back-swept vanes effectively prevents string solids from obstructing the pump and increases uptime. 2190 - a new classic from Flygt.



Voltage (V)	Connection	Rated current (A)	Starting current (A)
220	D	91	630
230	D	88	665
380	Y	53	360
380	Y//	53	320
400	Y	51	375
400	Y//	50	340
440	DSER	45	377
440	D	46	296
460	DSER	43	292
460	D	43	274
480	D	42	287
575	D	35	227
600	D	33	238

Denomination

Product code	2190.320
Installation	Portable (S)
Discharge connection	4"
Impeller characteristics	High Head (HT) Wear resistant impeller with DuraSpin
	High Head (HT) Semi-open wear resistant impeller (option)

Process data

Liquid temperature	104°F (40°C)
Depth of immersion	max 65 ft (20 m)
Liquid density	max 9.2 lb/US gal (1,100 kg/m ³)
Strainer hole dimension	Ø 0.47" (12 mm)
pH of pumped liquid	pH 6-11

Motor data

Frequency	60 Hz
Insulation class	H 356°F (180°C)
Voltage variation	max +/- 10% - continuous running max +/- 10% - intermittent running
Voltage imbalance	max 2% between phases max 30 - no of starts/hour

Monitoring equipment

Thermal contacts	230°F (140°C)
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Cables

SUBCAB®	Submersible cable
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Materials

Outer casing	Galvanized steel
Impeller	Hard-Iron™
Wear parts	Nitrile rubber/Poly-Life
Stator housing	Cast iron
Strainer	Galvanized steel
Shaft	Stainless steel
O-rings	Nitrile rubber
Discharge connection	Cast iron

Mechanical face seals

Inner Active Seal™	WCCR (Tungsten Carbide)
Outer	WCCR (Tungsten Carbide) / RISC (Silicone Carbide)

Weight & dimensions

Weight (excl. cable)	739 lbs (335 kg)
Height	41.3" (1,048 mm)
Width	17.2" (436 mm)

Options

Stainless Steel impeller
Quick couplings

Accessories

Hose connections and floating rafts. Electrical accessories such as pump controllers, control panels and monitoring relays. Zinc anodes.

Rating 60 Hz

- 3,525 rpm
- 39 HP (29 kW)

